

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



Valid from 06 Feb 2023
to 13 October 2023
Issued on 06 Feb 2023



ISO/ IEC 17025
TL 003-03

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 003-03

Textile Laboratory
SGS Lanka (Pvt) Limited
No 141/7, Vauxhall Street
Colombo 02

Scope of Accreditation: Performing Chemical Testing on Textile and textile commodities/articles, Fabrics, Childcare items and toys, and plastic materials and Mechanical Testing on Fabrics, Garments, Toys, Accessories, Plastic films, Metal & Non-metal Objects, Jewelleries, Leather, Paints & Similar Surface Coating, Glass materials, Ceramics & footwear

The laboratory is accredited for the tests appear from page 02 to 35;

	Product(s) / Material of test	Specific tests performed	Test Method /Standard against which tests are performed	Range of testing Limits of detection
Chemical Testing				
01	Textile	Colour fastness to Dry cleaning	ISO-105-DO1 : 2010 EN ISO 105-D01:2010 BS EN ISO-105-DO1: 2010 DIN EN ISO-105-D01:2010-10	R: 1 to 5 Grade
			GB/T 5711:2015	
			AATCC 132:2013	
		Colour fastness to Perspiration	ISO-105-EO4 : 2013 BS EN ISO-105-EO4 : 2013 DIN EN ISO-105-EO4 : 2013 EN ISO -105-E04:2014	
			GB/T 3922-2013	
			AATCC 15 : 2013	
		Colour fastness to Rubbing	ISO 105-X12 : 2016 BS EN ISO X12 : 2016 DIN EN ISO X12 : 2016-02 EN ISO X12 : 2016	
			GB/T 3920-2008	
			AATCC 8 : 2016	
		Colour fastness to Hot Pressing	ISO 105-X11 : 1994 BS EN ISO 105-X11 : 1996 EN ISO 105-X11 : 1996 DIN EN ISO 105-X11 : 1996-10	
		Colour fastness to domestic and commercial laundering	ISO-105-CO6 : 2010 BS EN ISO 105 C06:2010 EN ISO-105-C06:2010 DIN EN ISO-105-C06:2010-08	
		Colorfastness to Laundering: Accelerated	AATCC 61:2013	
		Colour fastness to washing with soap or soap and Soda	ISO 105 C10:2006 BS EN ISO-105-C10 : 2007 DIN EN ISO-105-P10;; 2007-06 EN ISO-105-C10: 2007	

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01	Textile	Color fastness to washing	GB/T 3921.1 or 3:2008	R: 1 to 5 Grade
		Colour fastness to domestic and commercial laundering using a non Phosphate reference detergent incorporating a low temperature bleach activator	ISO 105 C08:2010 EN ISO 105 C08:2010 BS EN ISO 105 C08:2010 DIN EN ISO 105 C08:2010	
		Determination of pH of aqueous extract	ISO-3071 : 2020 BS EN ISO 3071:2020 DIN EN ISO 3071:2020-05 EN ISO 3071:2020	R : 1 to 14
			GB/T 7573-2009	
			AATCC 81: 2019	
		Assessment of the potential to phenolic yellowing of materials	ISO 105:X18:2007 BS EN ISO 105 X18:2007 DIN EN ISO 105 X18:2007-12 EN ISO 105 X18:2007	R : 1 to 5 Grade
		Colour fastness to sea water	BS EN ISO 105-E02 : 2013 ISO 105 E02:2013 DIN EN ISO 105 E02:2013 EN ISO 105 E02:2013	
			AS2001.4.E02:2001(R2016)	
			AATCC 106:2013	
		Colour fastness to water	ISO-105-E01 : 2013 BS EN ISO 105 E01:2013 EN ISO 105 E01:2013 DIN EN ISO 105 E01:2013-06	
			GB/T 5713-2013	
			AATCC 107:2019	
			AS 2001.4.E01:2001(R 2016)	
		Colorfastness to Powdered Non-Chlorine Bleach in Home Laundering	AATCC 172:2019	
		Colour fastness to non chlorine bleach	BS EN ISO 105 C09:2003 EN ISO105 C09:2003+A1:2007 DIN EN ISO 105 C09:2007-10 ISO 105 C09:2001+Amd1:2003	

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01	Textile	Colour fastness to light	AATCC 16.3:2020	R : 1 to 5 Grade
			ISO 105-B02:2014 BS EN ISO 105 B02:2014 DIN EN ISO 105 B02:2014 EN ISO 105 B02:2014	
		Colour fastness to light of Textiles wetted with artificial perspiration	GB/T 14576:2009	
			ISO 105-B07:2009 BS EN ISO 105-B07:2009 DIN EN ISO 105-B07:2009-10 EN ISO 105-B07:2009	
		Colorfastness: Dye Transfer in Storage; Fabric-to-Fabric	AATCC163:2013 (R2020)	
		Colour fastness to Chlorinated water	ISO 105 E03:2010 BS EN ISO E03:2010 DIN EN ISO 105 E03:2010-08 EN ISO 105 E03:2010	
		Colour fastness to Chlorinated pool water	AATCC 162:2019	
		Colour fastness to saliva	DIN 53160-1:2010 -10	
			GBT18886 :2019 64 LFGB B 82.10-1	
		Colour fastness to burn gas fumes	ISO 105 G02 :1993/Cor:2009 BS EN ISO 105 G02 :1997 DIN EN ISO 105 G02 :1997-07 EN ISO 105 G02 :1997	
			AATCC 23:2015 Reaffirmed 2010; revised 2015; reaffirmed 2020)	
		Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	ISO 14184-1 :2011 BS EN ISO 14184-1:2011 EN ISO 14184-1:2011 DIN EN ISO 14184-1: 2011 JISL 1041:2011	20-600 mg/kg
		Determination of formaldehyde - Released formaldehyde (vapour absorption method)	ISO 14184-2: 2011 BS EN ISO 14184-2:2011 EN ISO 14184-2:2011 DIN EN ISO 14184-2:2011	
		Determination of formaldehyde – (Free & Hydrolyzed formaldehyde)	GB/T 2912.1-2009	

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01	Textile	Quantitative chemical analysis of fibre mixtures (Cotton, Polyester, Nylon, Silk, Acrylic, Wool, Viscose, Acetate, Polypropylene, Spandex composition only)	BS EN ISO 1833-1:2020 EN ISO 1833-1:2020 ISO 1833-12020ISO1833-4:2017 BS EN ISO 1833-4:2017 EN ISO 1833-4:2017 ISO 1833-6:2018 BS EN ISO 1833-6:2018 EN ISO 1833-6:2018 ISO 1833-7:2017 BS EN ISO 1833-7:2017 EN ISO 1833-7:2017 ISO 1833-11:2017 BS EN ISO 1833-11:2017 EN ISO 1833-11:2017 ISO 1833-3/9/10/12:2019 BS EN ISO 1833-3/9/10/12:2019 EN ISO 1833-3/9/10/12:2019 ISO 1833-2/5/8:2006 BS EN ISO 1833-2/5/8:2006 EN ISO 1833-2/5/8:2006	0 % -100 %
			BS4407:1988/In accordance with regulation (EU) No.1007/2011 73/44/EEC and 96/73/EC amended by 2006/2/EC	
			CGSB 4.2 NO.14-M88-2005 CAN/CGSB	
		Fiber Analysis: Qualitative	AATCC 20:2018	-
		Fiber Analysis: Quantitative	AATCC 20A:2021	0 % -100 %
02	Phthalate in child care items and toys	Fiber Analysis: Quantitative	GB/T2910; GB/T2911	
		Di-Butyl Phthalate (DBP)	RSTS-CHEM-206-3 (Version 01) BASED ON EN 14372:2004 (E)	(30-500000) mg/kg (0.003%-50%)
		Di-2-Ethyl Hexyl Phthalate (DEHP)		
		Benzyl Butyl Phthalate (BBP)		
		Di Iso Nonyl Phthalate (DINP)		
		Di-N-Octyle Phthalate (DNOP)		
		Di Iso Decyl Phthalate (DIDP)		
		Di-isopentyl Phthalate (DIPP)		

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02	Phthalate in child care items and toys	N-pentyl isopentyl Phthalate (NPIPP) Di-n-pentyl Phthalate (DnPP) Bis(2-methylethyl) Phthalate(DMEP) Di-n-hexyl Phthalate (DnHP) Diisobutyl Phthalate(DIBP) Diisoheptyl Phthalate (DIHP) Didecyl Phthalate (DUDP) Dimethyl Phthalate(DMP) Diethyl Phthalate (DEP) Di(heptyl,nonyl,undecyl) Phthalate (DHNUP)	RSTS-CHEM-206-3 (Version 01) BASED ON EN 14372:2004 (E)	(30-500000) mg/kg (0.003%-50%)
03	Phthalate in child care items, toys, textile products & liquid or powder materials	Di-Butyl Phthalate (DBP) Di-2-Ethyl Hexyl Phthalate (DEHP) Benzyl Butyl Phthalate (BBP) Di Iso Nonyl Phthalate (DINP) Di-N-Octyle Phthalate (DNOP) Di Iso Decyl Phthalate (DIDP) Di iso butyl phthalate (DIBP) Di-n-hexyl phthalate (DnHP) Di-undecyl- phthalate (DUDP) Di-n-pentyl phthalate(DnPP) Bis(2-methoxyethyl) phthalate (DMEP) Di-isopentyl phthalate (DIPP) N-pentyl isopentyl phthalate(NPIPP) Di-iso-heptyl phthalate (DIHP) Di(heptyl, nonyl.undecyl) phthalate (DHNUP) DiEthylPhthalate (DEP) Dimethyl Phthalate(DMP)	RSTS-Chem-206-6 (Version 05) BASED ON CPSC-CH-C1001-09.4 ISO 14389:2014 GB/T 24168:2009	(30-500000) mg/kg (0.003%-50%)

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03	. Phthalate in child care items, toys, textile products & liquid or powder materials	Dipropyl phthalate(DPrP)	RSTS-Chem-206-6 (Version 05) BASED ON CPSC-CH-C1001-09.4 ISO 14389:2014 GB/T 24168:2009	(30-500000) mg/kg (0.003%-50%)
		Diphenyl Phthalate(DPhP)		
		DiHeptyl Phthalate(DnHpP)		
		Dicyclohexyl Phthalate(DCHP)		
		DiisooctylPhthalate(DIOP)		
		DibenzylPhthalate(DBzP)		
		Di-(2-propyl heptyl) phthalate(DPHP)		
		Dihexyl Phthalate(DHP)		
		Diundecyl Phthalate (DDP)		
		1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyldiesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)		
		Dinonyl phthalate(DNP)		
04	Allergeneous and Carcinogenic dyestuff in Textile, liquid or powder Materials	Disperse Blue 1	RSTS-CHEM-202-1 (Version 03) BASED ON DIN 54231:2005 §64 LFGB BVL B 82.02.10-2007 GB/T 20382:2006(mod) GB/T 20383:2006(mod) GB/T 30398:2013(mod) GB/T 30399:2013(mod)	(6-3500) mg/kg
		Disperse Blue 3		
		Disperse Blue 7		
		Disperse Blue 26		
		Disperse Blue 35		
		Disperse Blue 102		
		Disperse Blue 106		
		Disperse Blue 124		
		Disperse Brown 1		
		Disperse Orange 1		
		Disperse Orange 3		
		Disperse Orange 37/76		

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04	Allergeneous and Carcinogenic dyestuff in Textile, liquid or powder Materials	Disperse Red 1	RSTS-CHEM-202-1 (Version 03) BASED ON DIN 54231:2005 §64 LFGB BVL B 82.02.10-2007 GB/T 20382:2006(mod) GB/T 20383:2006(mod) GB/T 30398:2013(mod) GB/T 30399:2013(mod)	(6-3500) mg/kg
		Disperse Red 11		
		Disperse Red 17		
		Disperse Yellow 1		
		Disperse Yellow 3		
		Disperse Yellow 9		
		Disperse Yellow 39		
		Disperse Yellow 49		
		Basic Red 9		
		Basic violet 14		
		Disperse Orange 11	RSTS-CHEM-202-1 (Version 03) BASED ON DIN 54231:2005 §64 LFGB BVL B 82.02.10-2007 GB/T 20382:2006(mod) GB/T 20383:2006(mod) GB/T 30398:2013(mod) GB/T 30399:2013(mod)	
		Disperse Yellow 23		
		Disperse Orange 149		
		Basic Blue 26		
		Acid Red 26		
		Direct Black 38		
		Direct Red 28		
		Basic Violet 3		
		Acid violet 49		
		Solvent yellow 1		
		Solvent yellow 3		
		Solvent yellow 2		
		Direct Blue 6		
		Solvent blue 4		
		4,4'-Bis (dimethylamino)-4''-(methylamino) tritylAlcohol*		
		Direct Brown 95		
		p-phenylenediamine/Navy Blue		

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05	AP/APEO	NP (Nonylphenols)	RSTS-CHEM-213-1 (Version 08) BASED ON (ISO 18218-1:2015) (ISO 18254: 2016) (GB/T 23972:2009) (ISO 21084:2019) (ISO 18218-2:2019) (APIRM RSL 2021 V6)	(1-3000) mg/kg
		4-n-Nonnylphenol		
		4-tert-Octylphenol		
		4-n- Octylphenol		
		Heptylphenol		
		Pentylphenol		
		POE(9 to 10) tert- octyl phenol		
		POE(9 to 10) tert- nonyl phenol		
06	Chlorinated organic carriers in textile commodity articles	2 - Chlorotoluene	RSTS-CHEM-204-1 (Version 06) DIN EN 17137:2019 EN 17137:2018	(0.04 -100) mg/kg
		3 - Chlorotoluene		
		4 - Chlorotoluene		
		α - Chlorotoluene		
		1,2 – Dichlorobenzene		
		1,3 - Dichlorobenzene		
		1,4 - Dichlorobenzene		
		2,3 - DiChlorotoluene		
		2,4 – DiChlorotoluene		

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06	Chlorinated organic carriers in textile commodity articles	2,5 – DiChlorotoluene	RSTS-CHEM-204-1 (Version 06) DIN EN 17137:2019 EN 17137:2018	(0.04 -100) mg/kg
		2,6 - DiChlorotoluene		
		1,3,5 - Trichlorobenzene		
		1,2,3 - Trichlorobenzene		
		1,2,4 - Trichlorobenzene		
		2,3,6 - TriChlorotoluene		
		2,4,5 - TriChlorotoluene		
		1,2,3,4 - Tetrachlorobenzene		
		1,2,3,5 - Tetrachlorobenzene		
		1,2,4,5 - Tetrachlorobenzene		
		Pentachlorobenzen		
		Hexachlorobenzene		
		Chlorobenzene		
		Pentachlorotoluene		
		3,4 - DiChlorotoluene		
		α α α - Trichlorotoluene		
		2.3.4.6- Tetrachlorotoluene		
		2.3.5.6- Tetrachlorotoluene		
		2.3.4.5- Tetrachlorotoluene		
		α , α , α , 4-Tetrachlorotoluene		

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07	Organotin content in textile and plastic materials	Monobutyltin (MBT)	(RSTS-CHEM-205-01 (Version 1)BASED ON BS ISO 17353:2004 DIN 38407:13:2001	(0.02 – 200) mg/kg
		Dibutyltin (DBT)		
		Tributyltin (TBT)		
		Mono-n-Octyltin (MOT)		
		Tetrabutyltin(TeBT)		
		Di-n-Octyltin (DOT)		
		Triphenyltin (TPhT)		
		Tri-Cyclohexyltin (TCyT)		
		Tri-n-octyltin (TOT)		
		Diphenyl tin (DPhT)		
		Monophenyltin (MPhT)		
		Tri-n-propyltin (TPrT)		
		Methyltin (MMT)		
		Dimethyltin (DMT)		
		Trimethyltin (TMT)		
		Tetraethyltin (TeET)		
08	TCP/TECP/PCP in Textile/Printed textile/Printed material/Liquid or Powder materials.	2-MCP	RSTS-CHEM-203-2 BASED ON ISO 17070-2015 DIN 53313:1993 & 64 LFGB, B 82.02.8-2001	(0.05-1000) mg/kg
		3-MCP		
		4-MCP		
		2,3-DCP		
		2,4-DCP		
		2,5-DCP		
		2,6-DCP		
		3,4-DCP		
		3,5-DCP		
		2,4,6 -TCP		
		2,3,6 -TCP		
		2,3,5 -TCP		
		2,4,5 -TCP		
		2,3,4 -TCP		
		3,4,5 -TCP		
		2,3,5,6 - TeCP		
		2,3,4,6 - TeCP		
		2,3,4,5 - TeCP		
		PCP		

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09	AZO Textile/ Textile paint / Print/ Yarns	2,4,5-trimethylaniline (CAS No. 137-17-7)	RSTS-CHEM-201-8 (Version 2) (BASED ON GB/T 17592: 2011)	(5 –2000) mg/kg
		2-methoxyaniline (CAS No. 90-04-0)		
		2,6-dimethylaniline (CAS No. 95-68-1)		
		2,4-dimethylaniline (CAS No. 87-62-7)	RSTS-CHEM-201-14 (Version 3) (BASED ON ISO 14362-1:2017)	
		4-aminobenzene (CAS No. 60-09-3)	GB/T 23344: 2009 RSTS-CHEM-201-15 (Version 3) (Based on ISO 14362-3: 2017)	
10	Metal Objects Jewelleries	Qualitative determination of free Nickel (Spot Test)	RSTS-CHEM-105-6 (based on CR 12471)	≥ 0.5 $\mu\text{g}/\text{cm}^2/\text{week}$
		Determination of Nickel Release	RSTS-CHEM-105-5 (Version 1) (Based on BS EN 12472:2005 + A1:2009) and EN 1811: 2011 + A1: 2015)	0.01 – 1 $\mu\text{g}/\text{cm}^2/\text{week}$
11	Leather	Determination of Chromium(VI)	RSTS-CHEM-104-6 (Aging) (Version 6) RSTS-CHEM-104-1 (ISO 17075-1)	(0.5 –125) mg/kg
12	Heavy Metals in Toy materials (Migration of certain elements)	Lead	RSTS–CHEM-110-2 (Version 4) ASTM F963-2016 C1. 4.3 EN 71-3: 2019 ISO 8124-3 :2010 +A1 2014 AS/NZS 8124 -3 :2012+A1 2016	(0.03 –250) mg/kg
		Cadmium		(0.015 –250) mg/kg
		Chromium		(0.25 –250) mg/kg
		Barium		(0.25 – 25000)mg/kg
		Antimony		(0.5 –250) mg/kg
		Arsenic		(0.02-250) mg/kg

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13	Textile/ Textile paint / Print/ Yarns	Mercury	RSTS-CHEM-110-2 (Version 4) ASTM F963-2017 EN 71-3: 2019 +A1:2021 ISO 8124-3:2010+A1:2014 AS/NZS 8124.3;2012+A1:2016	(0.01-2.5)mg/kg
		Selenium		(0.5– 250) mg/kg
		Aluminium		(0.5-25000) mg/kg
		Boron		(0.25-250) mg/kg
		Chromium		(0.25 –250) mg/kg
		Cobalt		(0.25-250) mg/kg
		Copper		(0.35-250)mg/kg
		Manganese		(0.15-25000) mg/kg
		Nickle		(0.25-250) mg/kg
		Strontium		(0.25-250) mg/kg
		Tin		(0.25-250) mg/kg
		Zinc		(0.35-25000) mg/kg
14	Paint & other similar surface coatings	Lead	CPSC-CH-E1003-09.1, ASTM E 1645 : 2020 : REV A 01, 16 CFR 1303	(1 – 2500) mg/kg
15	Metal objects (Children's products)	Total Lead	CPSC-CH-E1001-08.3:2012	(1 – 2500) mg/kg
16	Non-Metal objects (Children's products)	Total Lead	CPSC-CH-E1002-08.3: 2012	(1 – 2500) mg/kg
17	Plastic, Fabric & Glass (plastic beads, toys)	Total Lead	RSTS-CHEM-109-2 (Version 1) US EPA 3052:1996 US EPA 3050B:1996	(1 – 2500) mg/kg
18	Textile (leather, pure leather, textile, rubber, silica gel pellet)	Dimethyl Fumarate (DMFU)	RSTS-CHEM-233-1 (Version 1)	(0.1- 500) mg/kg
19	PFOS/PFOA in textile, coated material, plastic, liquid or powder materials.	Perfluorooctanoic acid (PFOA)	RSTS-CHEM-219-1 (Version 5) BASED ON CEN/TS 15968:2010 GB/T 29493.2:2013 ISO 23702-1:2018	LOD 1.00 mg/kg
		Heptadecafluorooctanesulfo nic acid (PFOS)		
		Perfluorooctane sulphonamide (PFOSA)		

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19	PFOS/PFOA in textile, coated material, plastic, liquid or powder materials.	8:2 FTS MeFOSA EtFOSA MeFOSE EtFOSE	RSTS-CHEM-219-1 (Version 5) BASED ON CEN/TS 15968:2010 GB/T 29493.2:2013 ISO 23702-1:2018	LOD 1.00 mg/kg
20	PAHs in textile, polymer & rubber type of samples	Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1-,2,3-cd)pyrene Dibenzo(ah)anthracene Benzo(ghi)perylene Benzo(e)pyrene Benzo(j)fluoranthene PAKCyclopenta(c,d)pyrene Dibenzo(al)pyrene Dibenzo(ae)pyrene Dibenzo(ai)pyrene Dibenzo(ah)pyrene	RSTS-CHEM-232-1 (Version 2) BASED ON AFPS GS 2019;01PAK US EPA 610:1984	0.06 – 600mg/kg

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21	AZO DYE in Leather samples	4-Aminobiphenyl (CAS No. 92-67-1)	RSTS-CHEM-201-2 (Version 3) BASED ON ISO 17234-1:2020	(5–2000) mg/kg
		Benzidine (CAS No. 92-87-5)		
		4-Chloro-o-toluidine (CAS No. 95-69-2)		
		2- naphthylamine (CAS No. 91-59-8)		
		o-Aminoazotoluene (CAS No. 97-56-3)		
		2- amino-4- nitrotoluene (CAS No. 99-55-8)		
		4-Chloroaniline (CAS No. 106-47-8)		
		2,4-Diaminoanisole (CAS No. 615-5-4)		
		4,4'- diaminodiphenylmethane (CAS No. 101-77-9)		
		3,3'- dichlorobenzidine (CAS No. 91-94-1)		
		3,3'-dimethoxybenzidine (CAS No. 119-90-4)		
		3,3'- dimethylbenzidine (CAS No. 119-93-7)		
		4,4'- methylenedi-o-toluidine (CAS No. 838-88-0)		
		6-Methoxy-m-toluidine (CAS No. 120-71-8)		
		4,4'-Methylene-bis-(2-chloro-aniline) (CAS No. 101-14-4)		
		4,4'-oxydianiline (CAS No. 101-80-4)		
		4,4'-Thiodianiline (CAS No. 139-65-1)		
		o-Toluidine (CAS No. 95-53-4)		
		2,4-Toluylenediamine (CAS No. 95-80-7)		
		2,4,5-trimethylaniline (CAS No. 137-17-7)		

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21	AZO DYE in Leather samples	2-methoxyaniline (CAS No. 90-04-0)	RSTS-CHEM-201-2 Version 3) BASED ON ISO 17234-1:2015	(5–2000) mg/kg
		4-Aminoazobenzene (CAS No. 60-09-3)		
		2.4-dimethylaniline (CAS No. 87-62-7)		
		2.6-dimethylaniline (CAS No. 95-68-1)		
		4-aminobenzene (CAS No. 60-09-3)	RSTS-CHEM-201-4 (Version3) BASED ON ISO 17234-2:2011	
		2,4,6 -TCP		
		2,3,6 -TCP		
		2,3,5 -TCP		
		2,4,5 -TCP		
		2,3,4 -TCP		
		3,4,5 -TCP		
		2,3,5,6 - TeCP		
		2,3,4,6 - TeCP		
		2,3,4,5 - TeCP		
		PCP		
23	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Blue 1	(1.) RSTS-CHEM-202-3 (BASED ON ISO 16373-3:2014	(6-1500)mg/kg
		Disperse Blue 3		
		Disperse Blue 7		
		Disperse Blue 26		
		Disperse Blue 35		
		Disperse Blue 102		
		Disperse Blue 106		
		Disperse Blue 124		
		Disperse Brown 1		
		Disperse Orange 1		

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23	Allergeneous and Carcinogenic dyestuff in Textile Material	Disperse Orange 3	(1.) RSTS-CHEM-202-3 (BASED ON DIN 54231:2005)	0.4mg/L-1.0 mg/L
		Disperse Orange 37/76		
		Disperse Red 1		
		Disperse Red 11		
		Disperse Red 17		
		Disperse Yellow 1		
		Disperse Yellow 3	RSTS-CHEM-202-3(Version1) BASED ON ISO 16373-3:2014	(6-1500)mg/kg
		Disperse Yellow 9		
		Disperse Yellow 39		
		Disperse Yellow 49		
		Basic Red 9		
		Basic violet 14		
		Disperse Orange 11		
		Disperse Yellow 23		
		Disperse Orange 149		
		Basic Blue 26		
		Acid Red 26		
		Direct Black 38		
		Direct Red 28		
		Basic Violet 3		
		Acid violet 49		

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
23	Allergeneous and Carcinogenic dyestuff in Textile Material	Solvent yellow 1	STS-CHEM-202-3(Version1) BASED ON ISO 16373-3:2014	(6-1500)mg/kg
		Solvent yellow 3		(15-1500) mg/kg
		Solvent yellow 2		
		Direct Blue 6		
		Solvent blue 4		
		4,4'-Bis (dimethylamino)-4''-(methylamino) tritylalcohol*		
		Direct Brown 95		
		p-phenylenediamine		
		Disperse Red 151		
		Disperse yellow 7		
		Disperse yellow 56		
		Basic green 4		
		Basic green 4 oxalate		
		Basic green 4 chloride		
		Navy Blue		(6-1500) mg/kg

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
24	Organotin content in textile and plastic materials	Monobutyltin (MBT)	RSTS-CHEM-205-02 (Version5) BASED ON (ISO/TS 16179:2012(E)) ISO 22744-1:2020	(0.02-200) mg/kg
		Dibutyltin (DBT)		
		Tributyltin (TBT)		
		n-Octyltin (MOT)		
		Tetrabutyltin(TeBT)		
		Di-n-Octyltin (DOT)		
		Triphenyltin (TPhT)		
		Tri-Cyclohexyltin (TCyT)		
		Tri-n-octyltin (TOT)		
		Diphenyl tin (DPhT)		
		Monophenyltin (MPhT)		
		Tri-n-propyltin		
		Methyltin (MMT)		
		Dimethyltin (DMT)		
		Trimethyltin (TMT)		
		Tetraethyltin (TeET)		
25	Bisphenol A in textile and leather by LCMS	Bisphenol A	RSTS-CHEM-239-01 (Version1)	(0.5-200)mg/kg
26	Bisphenol A in textile and leather by GCMS	Bisphenol A	RSTS-CHEM-238-01 (Version 1) BASED ON (DIN 53313, 64 LFGB, BVL B 82.02-8)	(0.4- 200) mg/kg
27	Determination of Monomers released EN toy	Bisphenol A	RSTS-CHEM-306-01 (Version 2) BASED ON (BS EN 71-9:2005 + A1:2007, BS EN 71-10:2005, BS EN 71-11:2005)	(0.04-50) mg/L
28	Dimethylformamide in foot ware by GC-MS	Dimethylformamide	LCHE/TM/SOP/98(RSTS-CHEM-266-1(Version 2) BASED ON ISO/TS 16189:2013)	(0.5-1000) mg/kg

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
29	Extractable heavy metal in Artificial acidic Sweat solution	Lead	RSTS-CHEM-103-1 (Version 3) (ISO 105-E04:2013) EN 16711-2:2015 EN ISO 17072-1:2019	(0.05-500)mg/kg
		Antimony		(0.5-500)mg/kg
		Arsenic		(0.05-500)mg/kg
		Nickel		(0.5-500)mg/kg
		Cadmium		(0.05-500)mg/kg
		Chromium		(0.05-500)mg/kg
		Chromium (VI)		(0.5-500)mg/kg
		Mercury		(0.02-500)mg/kg
		Copper		(0.5-500)mg/kg
		Cobalt		(0.5-500)mg/kg
		Barium		(0.5-500)mg/kg
		Selenium		(0.5-500)mg/kg
30	Total Heavy metals	Lead	RSTS-CHEM-108-1 (Version 2) (US EPA 3051 A:2007) US EPA 6010 B:1996) US EPA 6020:1994)	(0.7-1000)mg/kg
		Cadmium		(0.5-1000)mg/kg
		Chromium		(0.5-1000)mg/kg
		Mercury		(0.1-5.0)mg/kg

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
Mechanical Testing				
31	Fabric	Yarn Count	ISO 7211-5:2020 BS ISO 7211-5:2020	10-200 tex
			ASTM D 1059- 2017	
32	Fabrics / Garment / Films & Sheeting	Determination of thickness by mechanical screening	ISO 5084 : 1996 BS EN ISO 5084:1997 DIN EN ISO 5084:1996 EN ISO 5084:1996	0.01 to 50.0 mm
		Test method for non wovens- Determination of thickness	ISO 9073-2:1995 BS EN ISO 9073-2:1997 DIN EN ISO 9073-2:1997 EN ISO 9073-2:1996	
		Determination of thickness by mechanical screening	ISO 4593:1993 DIN ISO 4593	
33	Fabrics/ Garments	Determination of mass per unit length and mass per unit area	ISO 3801:1977 (Method 5) BS 2471:2005 (Method 1)	0 to 220 g
		Determination of mass per unit area using small samples	BS EN 12127 : 1998 DIN EN 12127:1997 EN ISO 12127:1997	
		Mass Per Unit Area (Weight) of Fabric	ASTM D 3776/D3776M:2020	
		Construction Methods of analysis Part 2: Determination of number of threads per unit length	ISO 7211-2-1984 (E)/	Up to 100 ends & picks/cm
			BS EN 1049-2:1994 DIN EN 1049-2:1994-02 EN 1049-2:1993	
		Warp (End) and Filling (Pick) Count of Woven Fabrics	ASTM D 3775 – 2017 el	
		Knitted fabrics - Wales and Courses	BS 5441:1988	
		Wales and courses- weft knitted fabrics	ASTM D8007:2015(Re 2019)	
34	Fabrics	Width of Textile Fabric	ASTM D 3774:2018	0 to 2000mm
		Width of Textile Fabric	ISO 22198 : 2006	
		Standard for the Flammability of Clothing Textiles-Apparel (45°AFC)	16 CFR 1610 :2008	0-25 seconds
			ASTM D 1230:2017	
			CAN/CGSB 4.2 NO 27.5	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
34	Fabrics	Standard for the Flammability of Clothing Textiles (Vertical)	BS EN ISO 1103 :2005 EN ISO 1103:2005 <u>With</u> ISO 6941:2003 BS EN ISO 6941:2003 EN ISO 6941:2003 DIN EN ISO 6941:2004-05	0-120 seconds
			BS EN ISO 1103 :2005 EN ISO 1103:2005 <u>With</u> ISO 6940:2004 BS EN ISO 6940:2004 EN ISO 6940:2004 DIN EN ISO 6940:2004-06	
		Burning behavior of children night wear	BS EN 1103 :2005 EN 1103:2005 <u>With</u> BS EN 14878:2007 EN 14878 : 2007 COR 2009 DIN EN 14878 : 2007-08	
		Children Sleep wear	16 CFR 1615/1616:2010	
35	Fabrics/ Garments	Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method	ISO 13934-2:2014 BS EN ISO 13934-2:2014 EN ISO 13934-2:2014 DIN EN ISO 13934-2:2014-06	2.04 kg to 407.7 kg
		Breaking Strength and Elongation of Textile Fabrics (Grab Test)	ASTM D 5034:2021	
		Tensile properties of fabrics -Part 1: Determination of maximum force and elongation at maximum force using the strip method	ISO 13934-1: 2013 BS EN ISO 13934-1:2013 EN ISO 13934-1:2013 DIN EN ISO 13934-1:2013-08	2.04 kg to 407.7 kg
		Breaking Force and Elongation of Textile Fabrics (Strip Method)	ASTM D 5035 – 2011(Re2019)	
		Determination of the elasticity of fabrics Part 1: Strip tests	EN ISO 20930-1:2020 BS EN 20932-1:2020 DIN EN 20932-1:2020-05	1.35 to 4.5 kg
		Determination of the elasticity of fabrics Strip tests	ASTM D2594/D2594M:2021	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
35	Fabrics/ Garments	Seam Slippage	GB/T 2660-2017 Appendix B/	2.04 kg to 407.7 kg
		Determination of the slippage resistance of yarns at a seam in woven fabrics Part 1: Fixed seam opening method	ISO 13936-1:2004 BS EN ISO 13936-1:2004 DIN EN ISO 13936-1:2004-07 EN ISO 13936-1:2004	2.04 kg to 407.7 kg
		Determination of the slippage resistance of yarns at a seam in woven fabrics Part 2: Fixed load method	ISO 13936-2:2004/ BS EN ISO 13936-2:2004 DIN EN ISO 13936-2(2004-07) EN ISO 13936-2:2004	2.04 kg to 407.7 kg
		Seam tensile properties of fabrics and made-up textile articles Part 1: Determination of maximum force to seam rupture using the strip method	ISO 13935-1:2014 BS EN ISO 13935-1:2014 EN ISO 13935-1:2014 DIN EN ISO 13935-1:2014-07	2.04 kg to 407.7 kg
		Seam tensile properties of fabrics and made up textile articles part 2-Determination of maximum force to seam rupture using the grab method	ISO 13935-2:2014 BS EN ISO 13935-2:2014 DIN EN ISO 13935-2:2014-07 EN ISO 13935-2:2014	2.04 kg to 407.7 kg
		Standard Test Method for Failure in Sewn Seams of Woven Apparel Fabrics	ASTM D 1683/1683M:17(2018)	
		Bursting properties of fabrics Part 1:Hydraulic method for determination of bursting strength & bursting distension	ISO 13938-1:2019 BS EN ISO 13938-1:2019 EN ISO 13938-1:2019 DIN EN ISO 13938-1:2019	0.5 kPa - 1000 kPa
		Bursting Strength of Textile Fabrics Diaphragm Bursting Strength Tester Method	ASTM D 3786/D3786M – 2018	0.5 kPa - 1000 kPa
		Bursting Strength of Textile Fabrics Diaphragm Bursting Strength Tester Method	ISO 13938-2:2019 BS EN ISO 13938-2:2019 EN ISO 13938-2:2019 DIN EN ISO 13938-2:2019	0.5 kPa - 1000 kPa
36	Fabric	Tear properties of fabrics Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)	ISO 13937-1:2000/Cor 1 :2004 BS EN ISO 13937-1:2000 EN ISO 13937-1:2000 DIN EN ISO 13937-1:2000-06	0 to 128 N

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
36	Fabric	Tearing strength of fabrics by falling - pendulum (Elmendorf - type) Apparatus	ASTM D 1424 :2021	0 to 128 N
		Method 2.8: Determination of tear force of fabrics using the ballistic pendulum method (Elmendorf)	AS 2001.2.8 – 2001(R2016)	0 to 128 N
		Tearing strength of fabrics by the tongue (single rip) procedure (CRE TENSILE TESTING MACHINE)	ASTM D2261-2013(2017) ISO 13937-2:2000 BS EN ISO 13937-2:2000 EN ISO 13937-2:2000 DIN EN ISO 13937-2(2000-06)	0-5 kgf.cm
		Tear strength	GB/T 3917.2:2009	
		Determination of the abrasion resistance of fabrics by the Martindale method	BS EN ISO 12947-1/3/4:1998 BS EN ISO 12947-2:2016 ISO 12947-1/3/4:98+Cor 1:2002 ISO 12947-2:2016 DIN EN ISO 12947-1/3/4:2007 DIN EN ISO 12947-2:2017-03 EN ISO 12947-1:1998 EN ISO 12947-2:2016 EN ISO 12947-3/4:1998/AC 2006	a) Upto 99999 Cycles b) Colour Change: Grade 1 to 5
		Abrasion resistance of textile materials	ASTM D 4966:2012(Re2016)	
37	Fabric/Garment	Determination of fabric propensity to surface fuzzing and to pilling - Part 1: Pilling box method	ISO 12945-1 :2000/ BS EN ISO 12945-1:2001 EN ISO 12945-1:2000 DIN EN ISO 12945-1:2021-04	Grade1 to 5
		Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method	ISO 12945-2:2020 BS EN ISO 12945-2:2020 EN ISO 12945-2:2020 DIN EN ISO 12945-2:2021-04	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
37	Fabric/Garment	Determination of the fabric propensity to surface pilling, fuzzing or matting –Random tumble pilling	ISO 12945-3:2020 DIN EN ISO 12945-3:2021-4 BS EN ISO 12945-3:2014 EN ISO 12945-3:2020	-15% to 15 %
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester	ASTM D 4970: 2016	
		Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D 3512 :2016	
		Domestic washing and drying procedures for textile testing - Dimensional Change	BS EN ISO 6330:2012 ISO 6330:2021 DIN EN ISO 6330:2013-02 EN ISO 6330:2012	
		Dimensional change - Domestic washing and drying procedures for textile testing	AS 2001.5.4.2005(R2016)	
37	Fabric/ Garments	Dimensional Changes of Fabrics after Home Laundering	AATCC 135:2018/150-2018	-20% to 20%
		Determination of Dimensional change of fabric induced by free steam	BS 4323:1979 ISO 3005:1978	-10 % to 10 %
		Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering	AATCC 179-2019	0%-30%
		Determination of spirality after laundering - Percentage of wale spirality change in knitted garments	ISO 16322-1:2005 BS ISO 16322-1:2005	
		Determination of spirality after laundering - Woven & Knitted Garments	ISO 16322-3:2021 BS ISO 16322-3:2005/COR 2007	
		Determination of spirality after laundering - Woven & knitted fabrics	ISO 16322-2:2021 BS ISO 16322-2:2021	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
38	Fabric	Bow & Skewness	BS 2819:1990+A2 :2016	0%-50%
		Measuring Bow & Skew	ASTM D 3882:2008(R2020)	
		Bow & Skewness	ISO 13015:2013	
39	Fabric/ Garments	Appearance of apparel and other textile end products after repeated home laundering	AATCC 143:2018	Grade 1 to 5
		Smoothness appearance of fabrics after repeated home laundering	AATCC 124:2018	
		Appearance retention of garment / fabric	LTEX/TM/SOP/026(revised 10.05.2014)	
		Smoothness of Seams in Fabrics after Repeated Home Laundering	AATCC 88B/88C-2018	
		Durability after washing	LTEX/TM/SOP/27(revised 10.05.2014)	
		Snagging Resistance of fabrics (Mace)	ASTM D 3939/ASTM D3939 M:2013(Re 2017)	Grade 1 to 5
		Water repellency: Spray rating	AATCC 22:2017	0-100 Grade 1 to 5
ISO 4920:2012 BS EN ISO 4920:2012				
40	Accessories/ Toys	Attachment strength	CEN/TR 16792:2014	0 to 50 kgf
		Tension Test	EN 71-1:2014+A1:2018 BS EN 71-1:2014+A1:2018	
		Resistance to Unsnapping of snap fastness	ASTM D 4846:1996 C (R2021)	
		Standard Consumer Safety Specification for Toy Safety	ASTM F 963 – 2017(Requirements of 16 CFR 1500.3 (c) (6)(vi)	
41	Toys/ Garments/ Garment Accessories	Safety of toys mechanical and physical properties:	EN 71-1:2014+A1:2018 BS EN 71-1:2014+A1:2018	Qualitative

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Toys/ Garments/ Garment Accessories	General requirements:		Qualitative
		Material cleanliness	4.1	
		Assembly	4.2	
		Flexible plastic sheeting	4.3	
		Toy bags	4.4	
		Glass	4.5	
		Expanding materials	4.6	
		Edges	4.7	
		Points and metallic wires	4.8	
		Protruding parts	4.9	
		Parts moving against each other	4.10	
		Mouth-actuated toys and other toys intended to be put in the mouth	4.11 < Excluding the following > 4.11c) and 4.11e)	
		Balloons	4.12	
		Cords of toy kites and other flying toys	4.13	
		Enclosures	4.14	
		Toys intended to bear the mass of a child	4.15 < Excluding the following > 4.15.1.3, 4.15.1.5, 4.15.1.6, 4.15.2, 4.15.5.3 and 4.15.5.5	
		Heavy immobile toys	4.16	
		Percussion caps specifically designed for in toys and toys using percussion caps	4.19	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Toys/ Garments/ Garment Accessories	Small balls	4.22	Qualitative
		Magnets	4.23	
		Toys intended for children under 36 months:		
		General requirements	5.1	
		Soft-filled toys and soft-filled parts of a toy	5.2	
		- Plastic sheeting	5.3	
		Cords, chains and electric cables in toys	5.4	
		Glass and porcelain	5.7	
		-Shape and size of certain toys	5.8	
		-Toys comprising monofilament fibres	5.9	
		- Small balls	5.10	
		- Small balls	5.11	
		Hemispheric-shaped toys	5.12	
		Suction cups	5.13	
		Straps intended to be worn fully or partially around the neck	5.14	
		Packaging	6	
		Warning and instructions for use	7	
		Small parts	8.2	
		Torque	8.3	0-5 kgf.cm
		Tension	8.4	0 to 50 kgf
		Drop test	8.5	Qualitative
		Impact test	8.7	
		Compression	8.8	0 to 50 kgf
		Soaking test	8.9	Qualitative
		Accessibility of a part or component	8.10	
		Sharpness of edges	8.11	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Toys/ Garments/ Garment Accessories	Sharp point	8.12	Qualitative
		Flexibility of wires	8.13	
		Expanding materials	8.14	
		Geometric shape of certain toys	8.16	
		Cords cross-sectional dimension	8.20	
		Film thickness	8.25	0.01 to 10.0 mm
		Small balls and suction cups test	8.32	Qualitative
		Test for play figures	8.33	
		Tension test for magnets	8.34	
		Perimeter of cords and chains	8.36	
		Breakaway feature separation test	8.38	
		Self-retracting cords	8.39	Qualitative
		Geometric shape of certain toys	8.16	
		Length of cords, chains & electrical cables	8.40	
		Assessment of the tangle potential of two cords or chains	8.41	
		Physical and mechanical tests;	ASTM F963-2017 As per the section numbers given below	
		-Material Quality (Visual Inspection)	4.1	Qualitative
		-Small objects	4.6 < Excluding the following > 4.6.2	
		-Accessible edges	4.7	
		- Projections	4.8	
		- Accessible points	4.9	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Toys/ Garments/ Garment Accessories	- Wires or rods	4.10	Qualitative
		- Nails and fasteners	4.11	
		- Plastic film	4.12	
		- Folding mechanisms and hinges	4.13	
		- Cords, straps, and elastics	4.14	
		- Confined spaces	4.16	
		- Wheels, tires and axles	4.17	
		- Holes, clearance and accessibility of mechanisms	4.18	
		- Simulated protective devices	4.19	
		- Pacifiers	4.20 <Excluding the following> 4.20.1	
		- Projectile toys	4.21	
		- Teethers and teething toys	4.22	
		- Rattles	4.23	
		- Squeeze toys	4.24	
		- Toys intended to be attached to a crib or playpen	4.26	0.01 to 10.0 mm
		- Stuffed and beanbag-type toys	4.27	Qualitative
		- Stroller and carriage toys	4.28	
		- Toy gun marking	4.30	
		- Balloons	4.31	
		- Certain toys with spherical ends	4.32	
		- Marbles	4.33	
		- Balls	4.34	
SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection

41	Toys/ Garments/ Garment Accessories	- Pompoms	4.35	Qualitative
		- Hemispheric-shaped objects	4.36	
		- Yo yo elastic tether toys	4.37	
		- Labeling requirements	5	
		- Instructional literature	6	
		- Producer's markings	7	
		- Test methods	8	
		Normal Use Testing Abuse Testing	8.5	
			8.6	
		Impact Tests	8.7	
		Torque Tests for Removal of Components	8.8	0-5 kgf.cm
		Tension Test for Removal of Components	8.9	0- 50 kgf
		Compression Test	8.10	0- 50 kgf
		Flexure Test	8.12	0- 50 kgf
		Packaging Film Thickness	8.21	0-1000 mm
		Stuffing material evaluation	8.29	Qualitative
		Physical and mechanical tests;	AS/NZS ISO 8124-1: 2016 ISO 8124-1:2018	
		- Normal use	4.1	0-1000 mm
		- Reasonably foreseeable abuse	4.2	Qualitative
		- Material	4.3	
		- Small parts	4.4	
		- Shape, size and strength of certain toys	4.5	
		- Edges	4.6	
		- Points	4.7	
		- Projections	4.8	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Toys/ Garments/ Garment Accessories	- Metal wires and rods	4.9	Qualitative
		- Plastic film or plastic bags in packaging and in toys	4.10	
		- Cords and elastics	4.11	
		- Folding mechanisms	4.12	
		- Holes, clearances and accessibility of mechanisms	4.13	
		- Springs	4.14	
		-Mouth- actuated toys	4.26	
		Magnets and magnetic components	4.31	
		Straps intended to be worn fully or partially around the neck	4.33	
		General requirements	5.1	
		Small Parts	5.2	
		Test for Shape and Size of certain toys	5.3	
		Small balls test	5.4	
		Test for pompoms	5.5	
		Test for pre-school play figures	5.6	
		Accessibility of a part or component	5.7	
		Sharp edge	5.8	
		Sharp point	5.9	
		Determination of thickness of plastic film and sheeting	5.10	
		Test for cords	5.11	
		Impact test for toys that cover the face	5.14	
		Wall impact test for projectiles	5.15.2	
		Expanding materials	5.21	
		Washable toys	5.23	
		Reasonably foreseeable abuse tests	5.24	
		General	5.24.1	
		Drop test	5.24.2	

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Toys/ Garments/ Garment Accessories	Tip-over test for large and bulky toys	5.24.3	Qualitative
		Torque test	5.24.5	
		Tension test	5.24.6	
		Compression test	5.24.7	
		Flexure test	5.24.8	
		Tension test for magnets	5.31	
		Physical and mechanical tests;		
		- Technical requirements for determining a sharp point	ASTM F 963-2017(16 CFR 1500.48)	Qualitative
		Technical requirements for determining a sharp metal or glass edge	ASTM F 963-2017(16 CFR 1500.49)	
		Test methods for simulating use and abuse of toys intended for use by children	ASTM F 963-2017 (16 CFR 1500.50, 1500.51, 1500.52 and 1500.53)	
		- Technical requirements for determining a sharp point	ASTM F 963-2017(16 CFR 1500.48)	
		Technical requirements for determining a sharp metal or glass edge	ASTM F 963-2017(16 CFR 1500.49)	
		Test methods for simulating use and abuse of toys intended for use by children	ASTM F 963-2017 (16 CFR 1500.50, 1500.51, 1500.52 and 1500.53)	
		- Impact test	8.7	
		- Flexure test	8.12	
		- Torque test for removal of component	ASTM F 963-2017 8.8	0-5 kgf.cm
		- Tension test for removal of component	8.9	0- 50 kgf
		- Compression test	8.10	0- 50 kgf
		- Method for identifying choking, aspiration, or ingestion hazards because of small parts	ASTM F 963-2017 4.6 16 CFR 1501 in conjunction with test methods specified in 16 CFR 1500.50 & 16 CFR 1501 Annex A1)	Qualitative

SI NO	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
41	Toys/ Garments/ Garment Accessories	Flammability tests;	ASTM F 963-2017 (16 CFR Parts 1610 and 1500.44) Ref. ASTM F 963-2017 4.2	(3.5-7.0)sec (0-0.1)inch/sec (10- 30)mm/sec (10- 30)mm/sec
			AS/NZS ISO 8124-2: 2016	
			ISO 8124-2: 2014	
			BS EN 71-2: 2011+A1:2014	
			EN 71-2: 2011+A1:2014	
			Excluding for the above two standards Tests for flammable gases and flammable gels	
		Drawstrings	ASTM F/1816:2018	0-1000mm
			ASTM F963-2017(16 CFR Part 1120)	
42	Fabrics/Garments	Vertical wicking of Textile	AATCC 197:2013 (R2018)	1-180 minutes
		Standard Test Method for Tension and Elongation of Elastic Fabrics	ASTM D 4964:96(2020)	2.04 kg to 407.7 kg
			ASTM D 7506/ D 7506 M:2017(R2021)	
43	Garments	Standard Test Method for Pocket Reinforcement	ASTM D 7506/ D 7506 M:2017(R2021)	
44	Fabrics/ Garments	Bursting Strength of Fabrics Constant-Rate-of-Extension (CRE) Ball Burst Test1	ASTM D 6797- 2015	0-1000N

Director/CEO

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